

ductruong

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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0.22

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FILE 'USPATOLD' ENTERED AT 14:54:26 ON 30 NOV 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:54:26 ON 30 NOV 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s polymer electrolyte and ion exchange group#

5 FILES SEARCHED...

L1 896 POLYMER ELECTROLYTE AND ION EXCHANGE GROUP#

=> s l1 and oxygen and sulfur and aromatic carbon ring#

L2 3 L1 AND OXYGEN AND SULFUR AND AROMATIC CARBON RING#

=> d l2 1-3

L2 ANSWER 1 OF 3 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2004:146066 EPFULL EDP 20050907 ED 20050907 UP 20050907

DUPD 20050907 DUPW 200536

TIEN POLYMER ELECTROLYTE AND USE THEREOF.

TIFR LECTROLYTE POLYM RE ET UTILISATION ASSOCI E.

IN SASAKI, Shigeru, 3-3-4-305, Hanabatake, Tsukuba-shi, Ibaraki 3003261, JP;

ONODERA, Toru, 2-40-1-207, Kasuga, Tsukuba-shi, Ibaraki 3050821, JP;

YASHIRO, Arihiro, 2-2-10-201, Higashi, Tsukuba-shi, Ibaraki 3050046, JP

PA Sumitomo Chemical Company, Limited, 27-1, Shinkawa 2-chome, Chuo-ku, Tokyo 104-8260, JP;

Sasaki, Shigeru, 3-3-4-305, Hanabatake, Tsukuba-shi, Ibaraki 3003261, JP

PAN 214352; 7054590

ductruong

DT Patent
LAF Japanese
LA English
LAP English
TL English; French
PIT WOA1 International application published with search report
PI WO 2005063854 A1 20050714
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL
PT RO SE SI SK TR
EXTENSION STATES: AL BA HR LV MK YU
AI EP 2004-808023 A 20041221
WO 2004-JP19672 A 20041221
PRAI JP 2003-429394 A 20031225
IC.VER 7
ICM C08G075-23
ICS C08G065-48; C08J005-22; H01B001-06; H01M008-02; H01M008-10
ICI C08L071-10, C08L081:06

AN 2004:146066 EPFULL EDP 20050907 ED 20060906 UP 20080709
DUPD 20080709 DUPW 200828
TIEN POLYMER ELECTROLYTE AND USE THEREOF.
TIFR LECTROLYTE POLYM RE ET UTILISATION ASSOCI E.
TIDE POLYMERELEKTROLYT UND VERWENDUNG DAVON.
IN SASAKI, Shigeru, 3-3-4-305, Hanabatake, Tsukuba-shi, Ibaraki 3003261, JP;
ONODERA, Toru, 2-40-1-207, Kasuga, Tsukuba-shi, Ibaraki 3050821, JP;
YASHIRO, Arihiro, 2-2-10-201, Higashi, Tsukuba-shi, Ibaraki 3050046, JP;
NODONO, Mitsunori, 2-13-10-406, Amakubo, Tsukuba-shi, Ibaraki 3050005, JP
PA Sumitomo Chemical Company, Limited, 27-1, Shinkawa 2-chome, Chuo-ku, Tokyo 104-8260, JP;
Sasaki, Shigeru, 3-3-4-305, Hanabatake, Tsukuba-shi, Ibaraki 3003261, JP
PAN 214352; 7054590
AG Henkel, Feiler & Haenzel, Patentanwaelte Maximiliansplatz 21, 80333 Muenchen, DE
AGN 100401
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French
PIT EPA1 Application published with search report
PI EP 1698652 A1 20060906
WO 2005063854 20050714
DS DE FR GB
AI EP 2004-808023 A 20041221
WO 2004-JP19672 A 20041221
PRAI JP 2003-429394 A 20031225
IPCI C08G0075-23 [I,A]; C08G0065-48 [I,A]; C08J0005-22 [I,A];
H01B0001-06 [I,A]; H01M0008-02 [I,A]; H01M0008-10 [I,A];
C08L0071-10 [I,A]; C08L0081-06 [I,A]
C08G0075-00 [I,C*]; C08G0065-00 [I,C*]; C08J0005-20 [I,C*];
H01B0001-06 [I,C*]; H01M0008-02 [I,C*]; H01M0008-10 [I,C*];
C08L0071-00 [I,C*]; C08L0081-00 [I,C*]

L2 ANSWER 2 OF 3 PCTFULL COPYRIGHT 2009 Univentio on STN
AN 2005063854 PCTFULL ED 20050719 EW 200528
TIEN POLYMER ELECTROLYTE AND USE THEREOF
TIFR ELECTROLYTE POLYMERE ET UTILISATION ASSOCIEE

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IN SASAKI, Shigeru, 3-3-4-305, Hanabatake, Tsukuba-shi, Ibaraki 3003261, JP
[JP, JP];
ONODERA, Toru, 2-40-1-207, Kasuga, Tsukuba-shi, Ibaraki 3050821, JP [JP,
JP];
YASHIRO, Arihiro, 2-2-10-201, Higashi, Tsukuba-shi, Ibaraki 3050046, JP
[JP, JP]
PA SUMITOMO CHEMICAL COMPANY, LIMITED, 27-1, Shinkawa 2-chome, Chuo-ku,
Tokyo 1048260, JP [JP, JP], for all designates States except US;
NODONO, Mitsunori, 2-13-10-406, Amakubo, Tsukuba-shi, Ibaraki 3050005,
JP [JP, JP], for all designates States except US;
SASAKI, Shigeru, 3-3-4-305, Hanabatake, Tsukuba-shi, Ibaraki 3003261, JP
[JP, JP], for US only;
ONODERA, Toru, 2-40-1-207, Kasuga, Tsukuba-shi, Ibaraki 3050821, JP [JP,
JP], for US only;
YASHIRO, Arihiro, 2-2-10-201, Higashi, Tsukuba-shi, Ibaraki 3050046, JP
[JP, JP], for US only
AG ENOMOTO, Masayuki, c/o Sumitomo Chemical Intellectual Property Service,
Limited, 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5418550, JP
LAF Japanese
LA Japanese
DT Patent
PI WO 2005063854 A1 20050714
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG
SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
W-U: AE AL AM AT AZ BG BR BY BZ CN CO CR CZ DE DK EC EE EG ES
FI GE HU KE KG KP KR KZ LS MD MX MZ NI PH PL PT RU SK SL
TJ TR TT UA UG UZ YU
RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT
LU MC NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
PRAI JP 2003-2003-429394 20031225
AI WO 2004-JP19672 A 20041221
ICM C08G075-23
ICS C08G065-48; C08J005-22; H01B001-06; H01M008-02; H01M008-10
ICI C08L071:10; C08L081:06

L2 ANSWER 3 OF 3 USPATFULL on STN
AN 2007:169838 USPATFULL
TI Polymer electrolyte and use thereof
IN Sasaki, Shigeru, Ibaraki, JAPAN
Onodera, Toru, Ibaraki, JAPAN
Yashiro, Arihiro, Ibaraki, JAPAN
Nodono, Mitsunori, Ibaraki, JAPAN
PA Sumitomo Chemical Company, Limited (non-U.S. corporation)
PI US 20070148518 A1 20070628
AI US 2004-583606 A1 20041221 (10)
WO 2004-JP19672 20041221
20060620 PCT 371 date
PRAI JP 2003-429394 20031225
DT Utility
FS APPLICATION
LN.CNT 1201
INCL INCLM: 429/033.000

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INCLS: 429/317.000; 429/314.000
NCL    NCLM: 429/033.000
NCLS: 429/314.000; 429/317.000
IC     IPCI  H01M0008-10 [I,A]; H01M0010-40 [I,A]; H01M0010-36 [I,C*]
      IPCR  H01M0008-10 [I,C]; H01M0008-10 [I,A]; C08G0065-00 [I,C*];
      C08G0065-48 [I,A]; C08G0075-00 [I,C*]; C08G0075-23 [I,A];
      C08J0005-20 [I,C*]; C08J0005-22 [I,A]; H01B0001-12 [I,C*];
      H01B0001-12 [I,A]; H01M0010-36 [I,C]; H01M0010-40 [I,A]
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